

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
 Data File : BF107971.D
 Acq On : 4 Aug 2018 6:48
 Operator : JU/SJ
 Sample : J4262-07DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Quant Time: Aug 06 01:03:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	65324	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	296446	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	120351	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	246001	20.00	ng	0.00
75) Chrysene-d12	14.15	240	247985	20.00	ng	0.00
86) Perylene-d12	15.68	264	179427	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	39401	10.25	ng	0.04
7) Phenol-d6	6.64	99	51189	10.11	ng	0.03
23) Nitrobenzene-d5	7.52	82	171081	33.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	89985	55.03	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	422056	48.87	ng	-0.01
78) Terphenyl-d14	13.08	244	480786	42.04	ng	0.00

Target Compounds

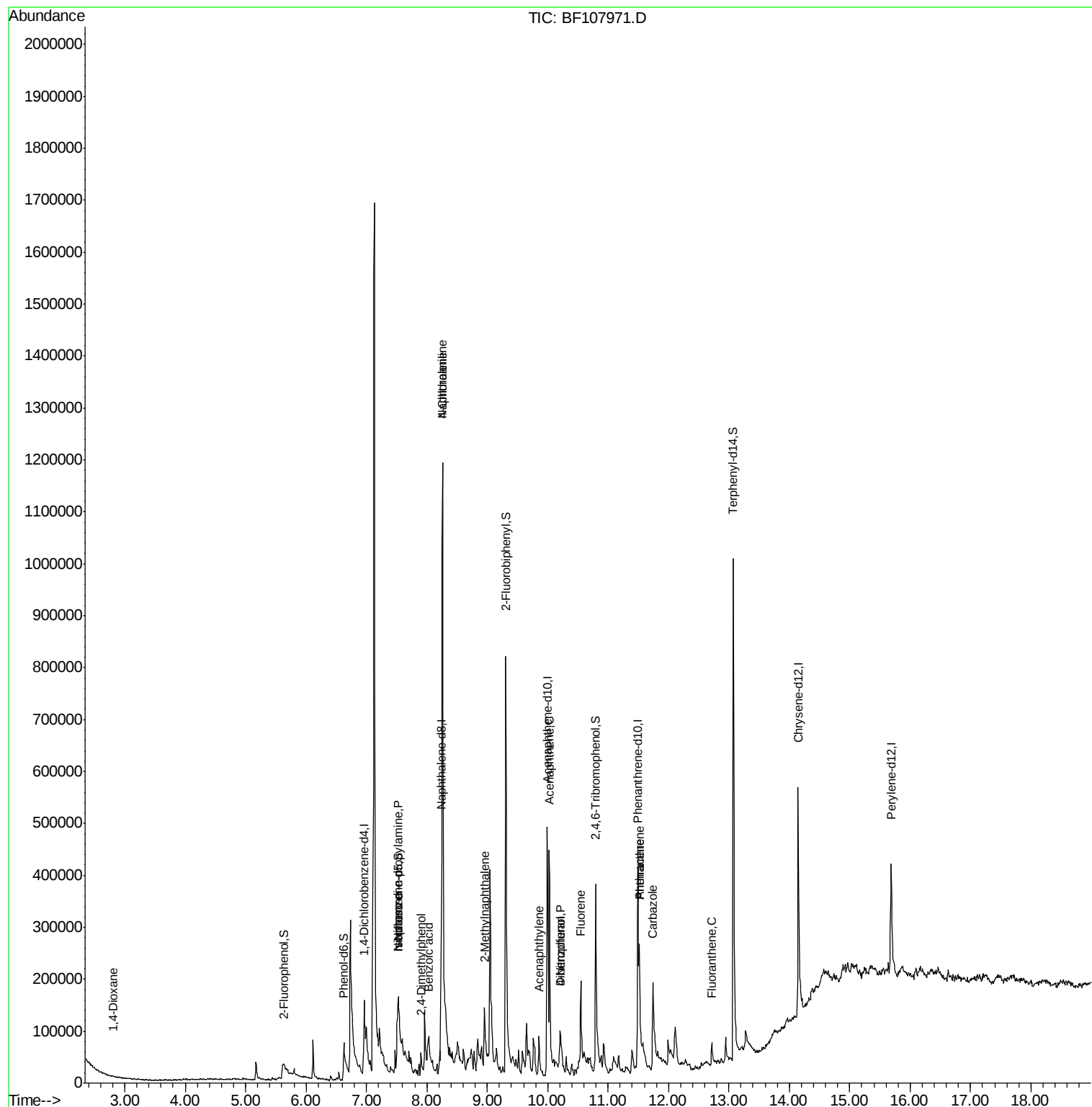
						Qvalue
2) 1,4-Dioxane	2.80	88	252	5.916	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	21993	6.844	ng	# 84
25) Isophorone	7.52	82	171081	20.254	ng	# 64
27) 2,4-Dimethylphenol	7.92	122	7389	2.038	ng	# 82
31) Naphthalene	8.26	128	811289	58.874	ng	100
32) Benzoic acid	8.04	122	12446	6.428	ng	# 29
33) 4-Chloroaniline	8.26	127	107495	18.263	ng	# 34
37) 2-Methylnaphthalene	8.95	142	70309	8.123	ng	94
48) Acenaphthylene	9.86	152	34094	2.663	ng	# 92
51) Acenaphthene	10.02	154	129578	17.421	ng	100
54) Dibenzofuran	10.21	168	79618	6.925	ng	98
55) 4-Nitrophenol	10.21	139	29942	32.024	ng	# 10
57) Fluorene	10.55	166	103646	11.600	ng	98
70) Phenanthrene	11.52	178	107546	9.207	ng	98
71) Anthracene	11.52	178	107546	7.982	ng	100
72) Carbazole	11.74	167	195781	14.704	ng	97
74) Fluoranthene	12.71	202	29336	2.138	ng	92

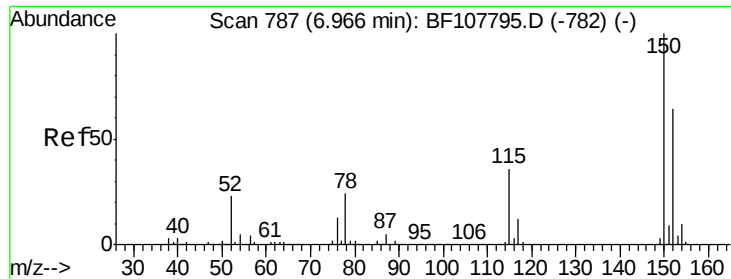
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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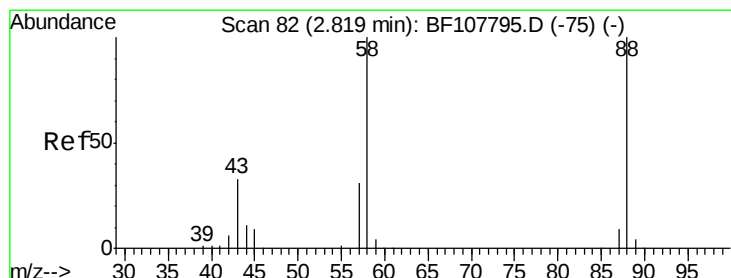
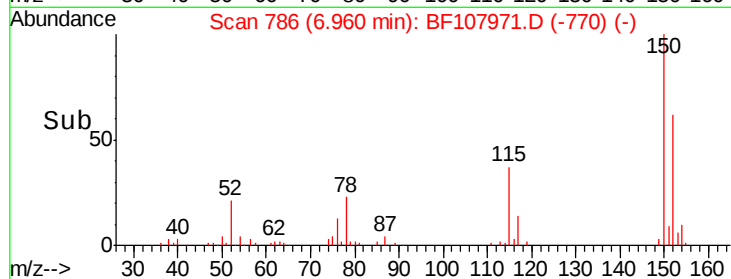
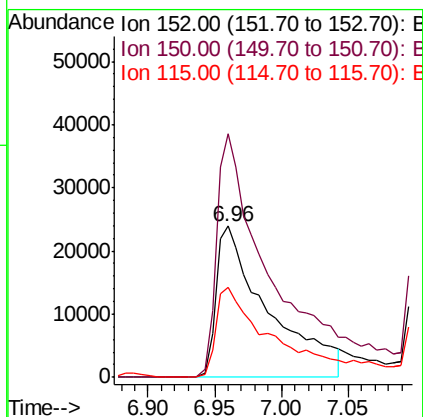
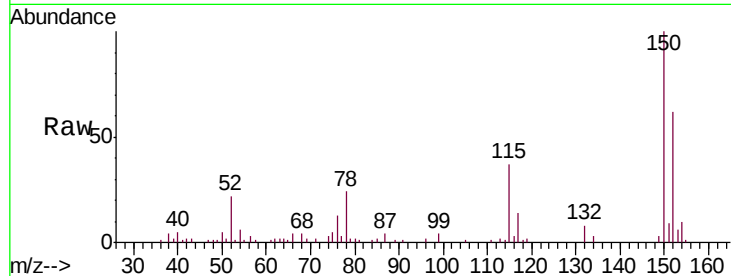


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

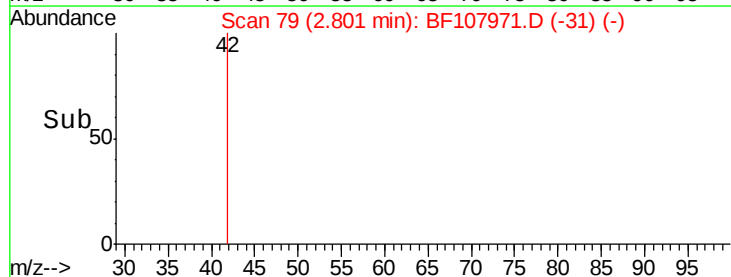
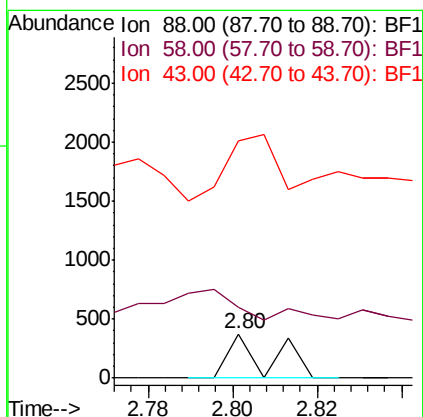
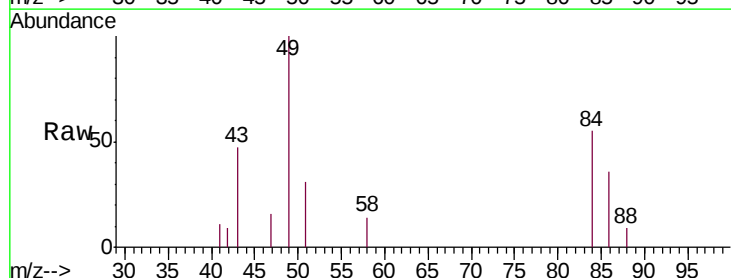
Tgt Ion:152 Resp: 65324
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 59.7 50.1 75.1

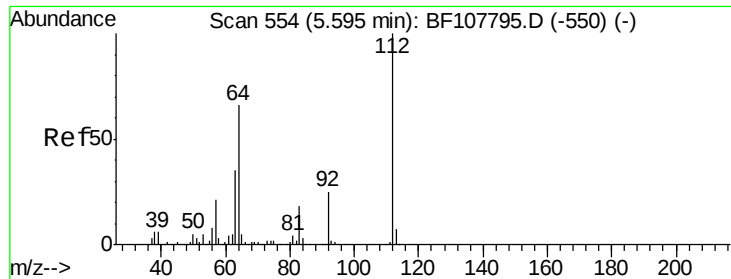


#2

1,4-Dioxane
Concen: 5.916 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
58 121.4 62.6 93.8#
43 210.7 24.6 37.0#





#5

2-Fluorophenol

Concen: 10.251 ng

RT: 5.63 min Scan# 560

Delta R.T. 0.04 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

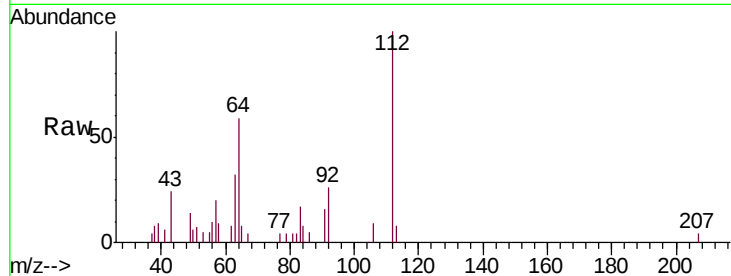
Tgt Ion:112 Resp: 39401

Ion Ratio Lower Upper

112 100

64 59.1 47.9 71.9

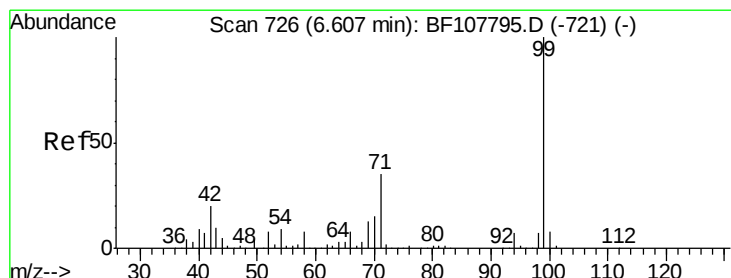
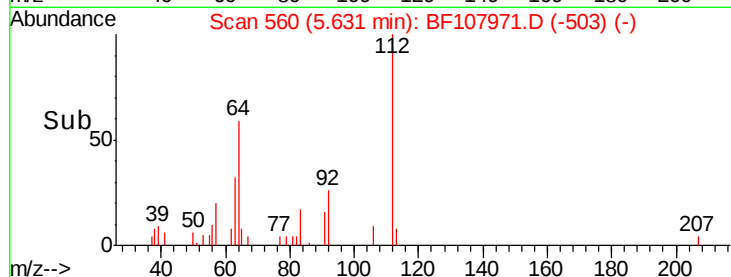
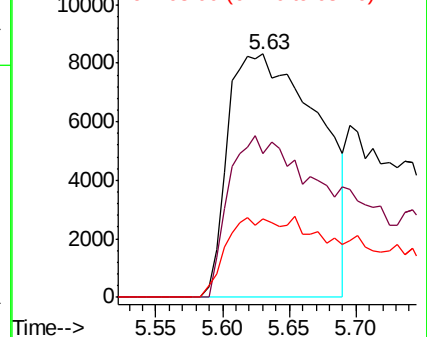
63 32.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 10.105 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.03 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

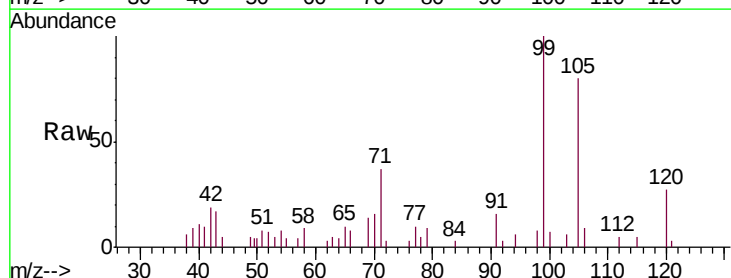
Tgt Ion: 99 Resp: 51189

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

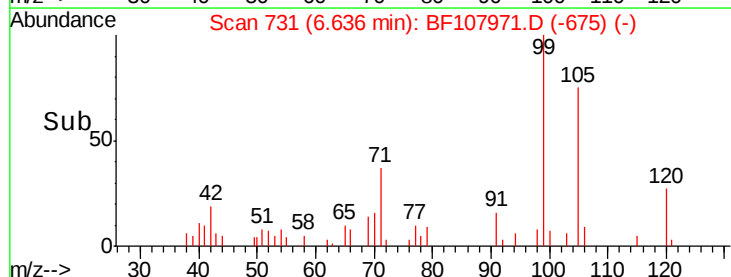
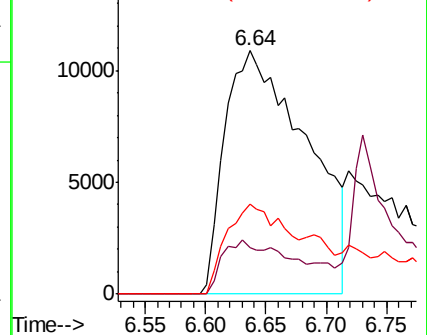
71 36.8 25.4 38.0

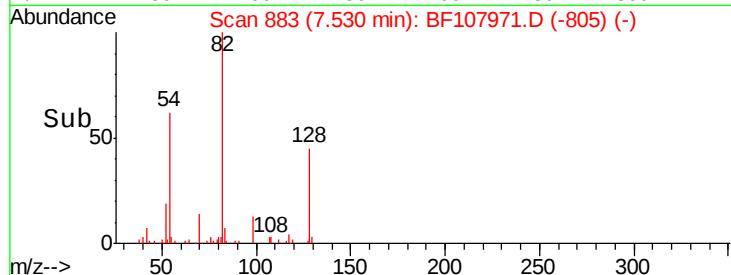
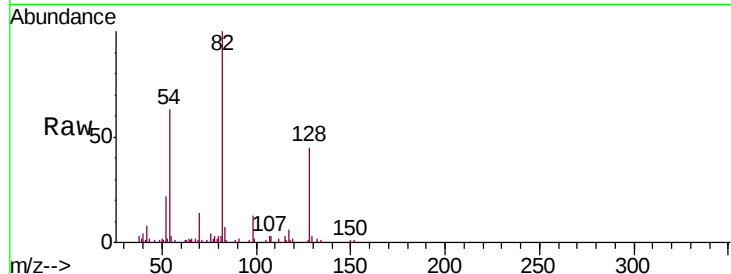
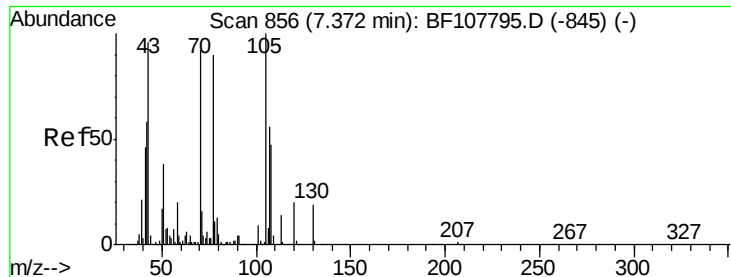


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

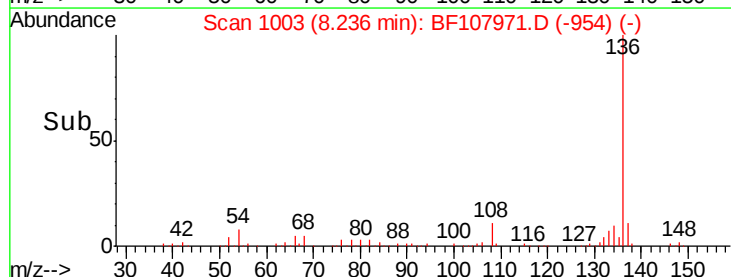
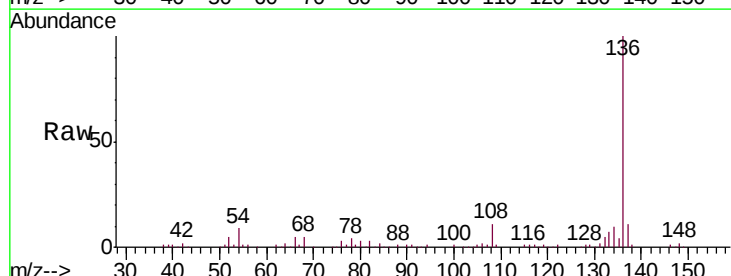
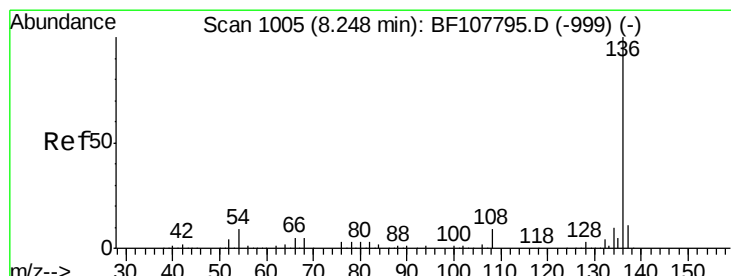
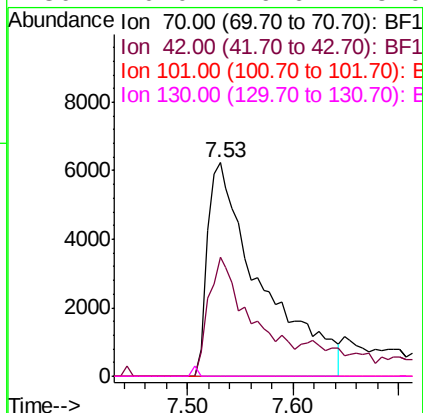




#19
n-Nitroso-di-n-propylamine
Concen: 6.844 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

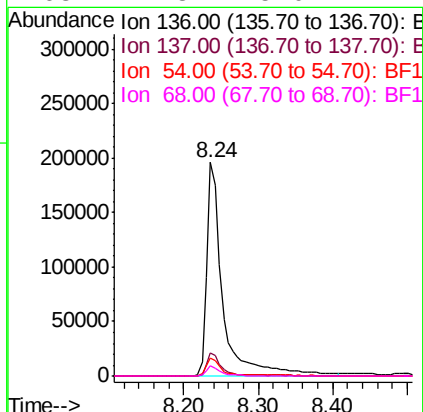
Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

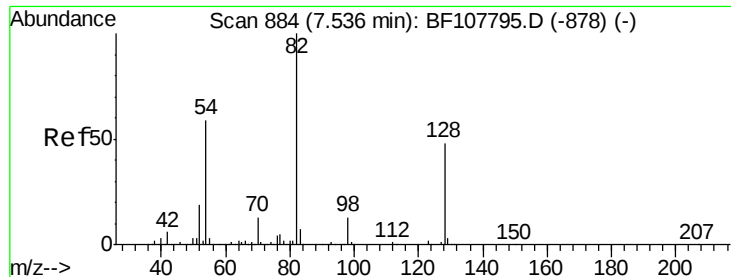
Tgt Ion:	70	Resp:	21993
Ion	Ratio	Lower	Upper
70	100		
42	55.6	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion:	136	Resp:	296446
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.6	6.6	9.8
68	4.8	5.0	7.4#

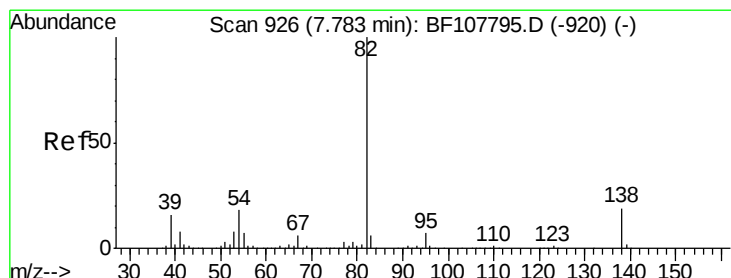
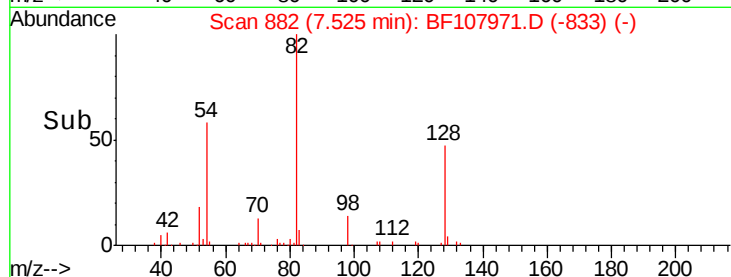
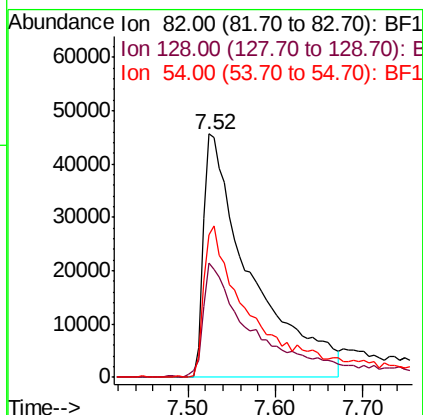
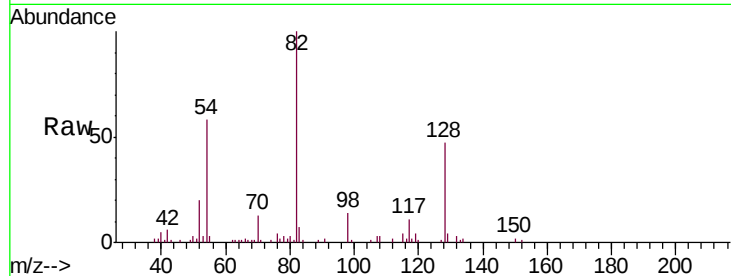




#23
 Nitrobenzene-d5
 Concen: 33.247 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

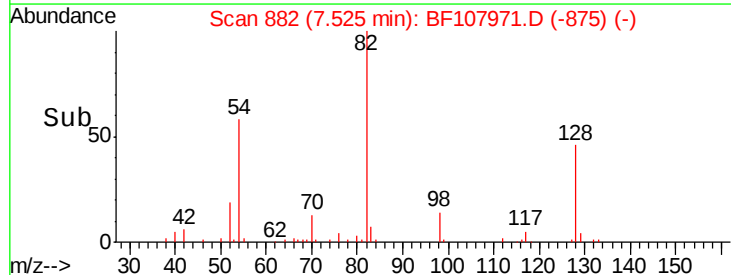
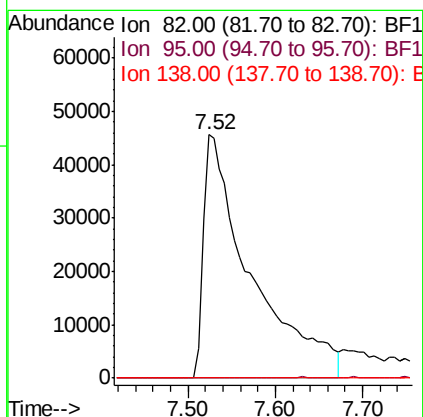
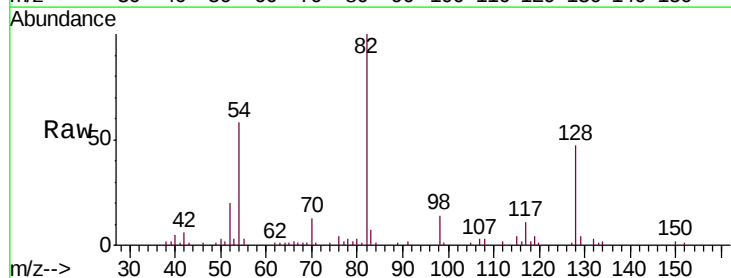
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

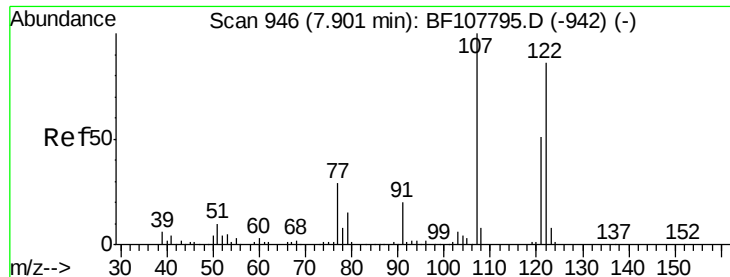
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	58.3	41.4	62.2



#25
 Isophorone
 Concen: 20.254 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

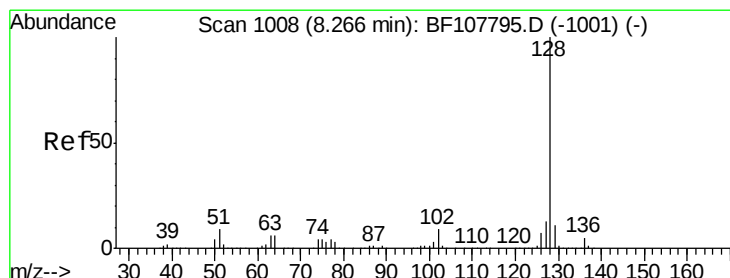
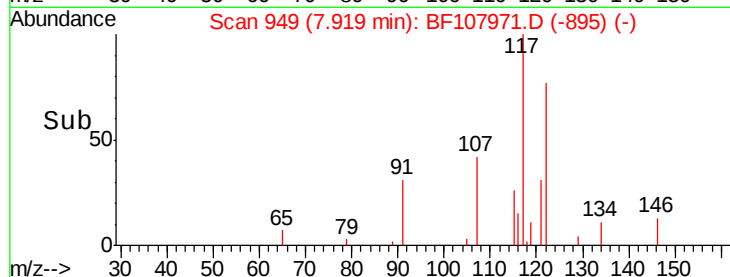
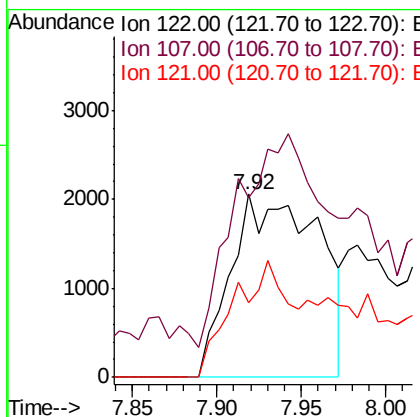
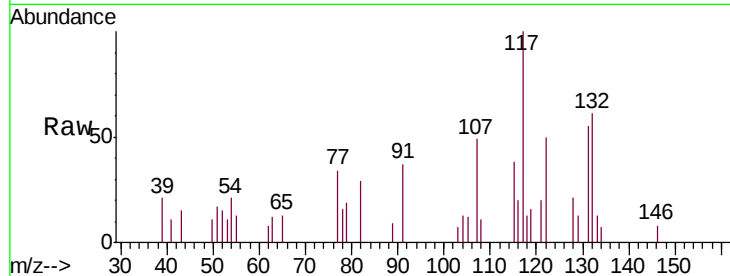




#27
2,4-Dimethylphenol
Concen: 2.038 ng
RT: 7.92 min Scan# 949
Delta R.T. 0.02 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

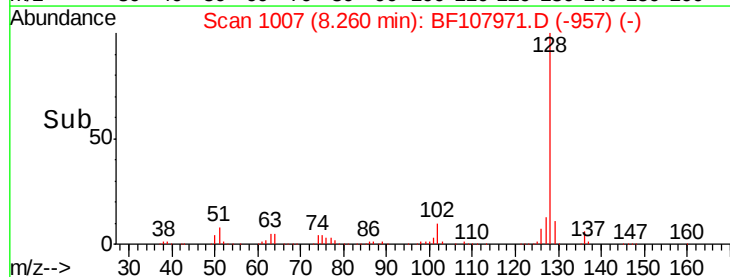
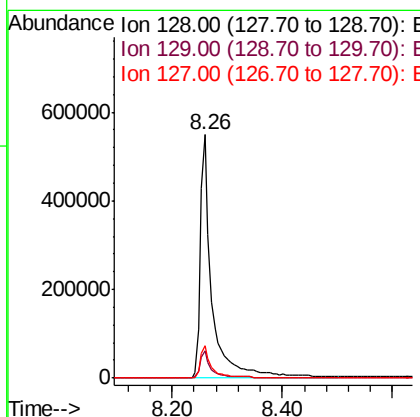
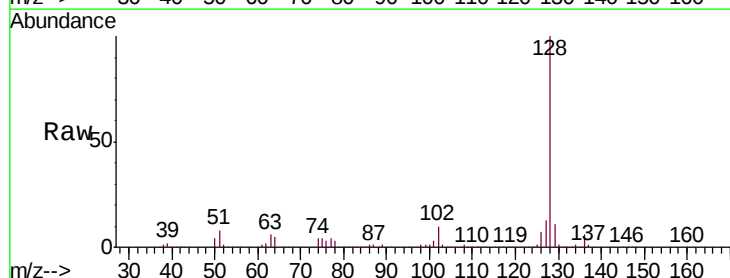
Instrument :
BNA_F
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DUP-073118DL

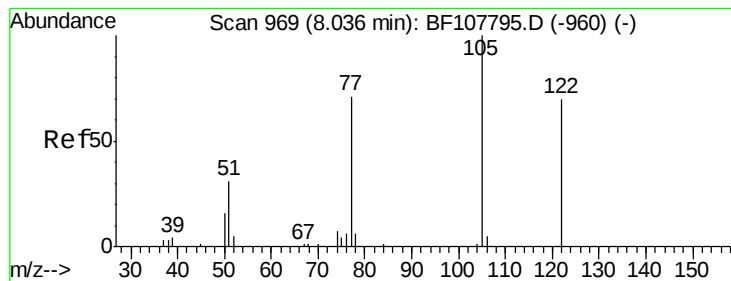
Tgt Ion:122 Resp: 7389
Ion Ratio Lower Upper
122 100
107 98.3 91.2 136.8
121 40.9 47.2 70.8#



#31
Naphthalene
Concen: 58.874 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion:128 Resp: 811289
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.5 10.9 16.3





#32

Benzoic acid

Concen: 6.428 ng

RT: 8.04 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

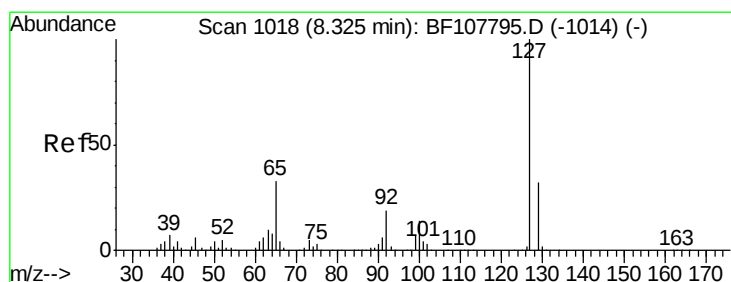
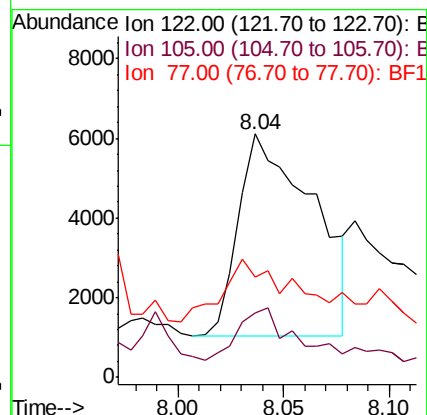
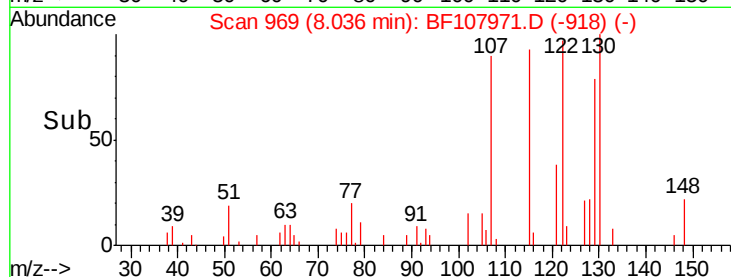
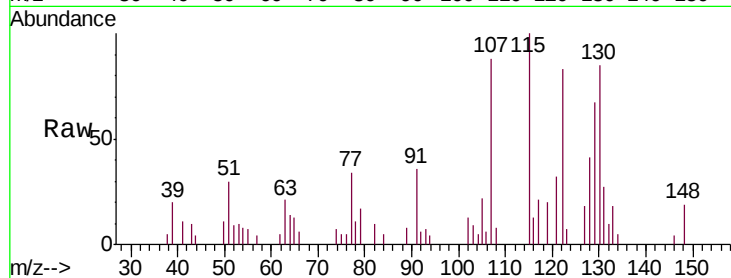
Tgt Ion:122 Resp: 12446

Ion Ratio Lower Upper

122 100

105 26.4 101.1 141.1#

77 41.4 70.7 110.7#



#33

4-Chloroaniline

Concen: 18.263 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.06 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Tgt Ion:127 Resp: 107495

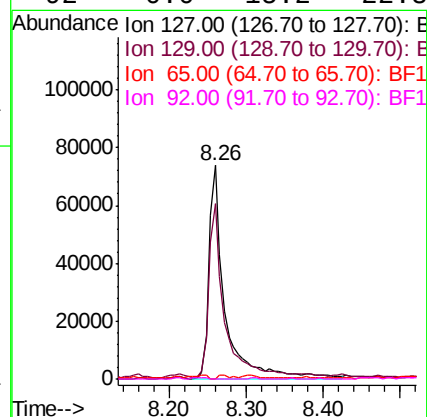
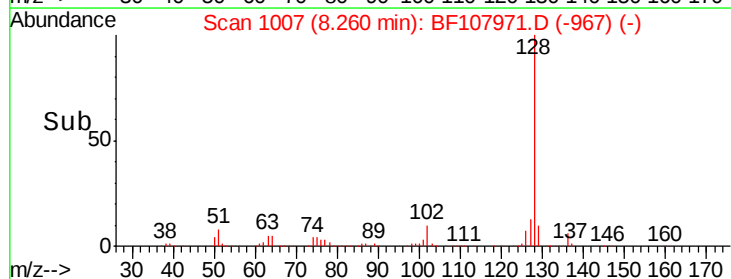
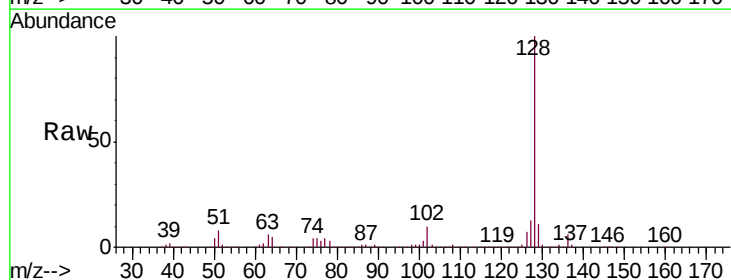
Ion Ratio Lower Upper

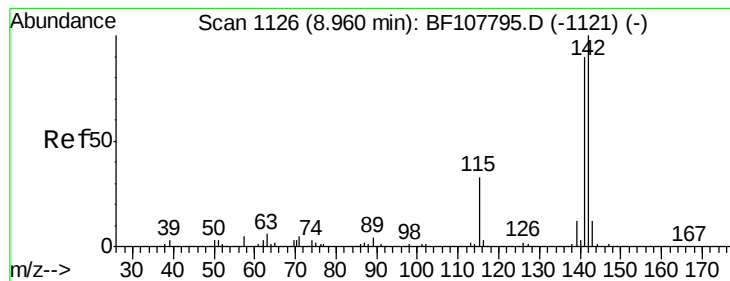
127 100

129 82.0 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 8.123 ng

RT: 8.95 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

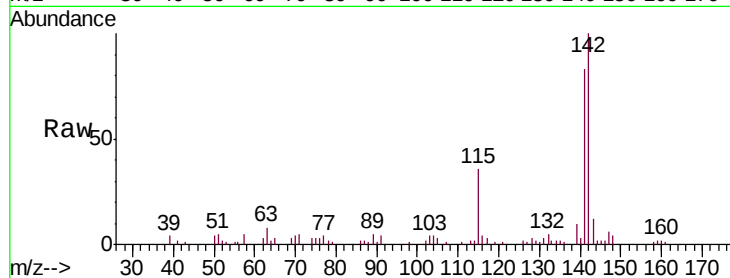
Tgt Ion:142 Resp: 70309

Ion Ratio Lower Upper

142 100

141 83.5 70.8 106.2

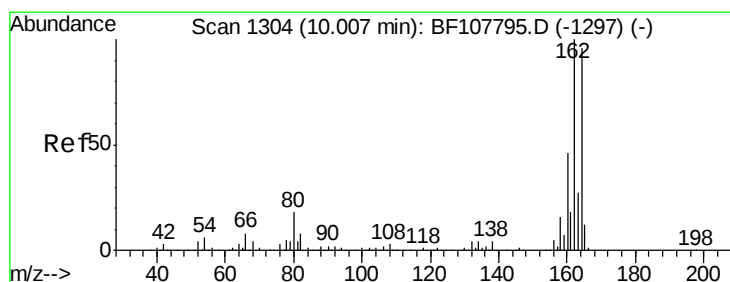
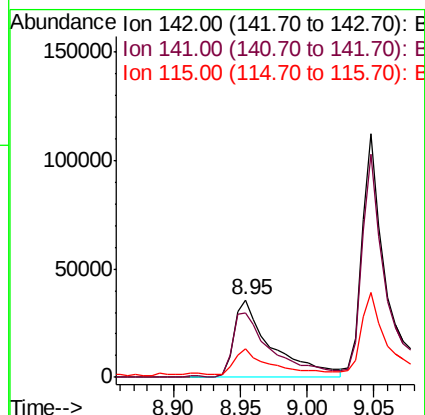
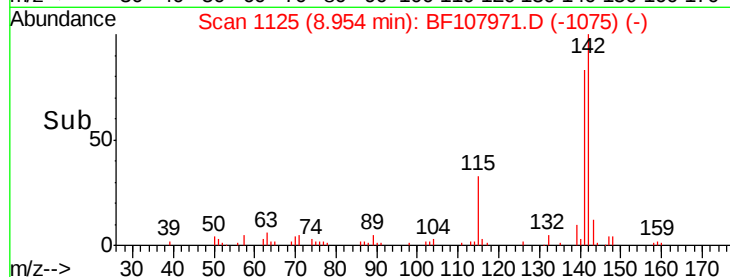
115 36.4 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

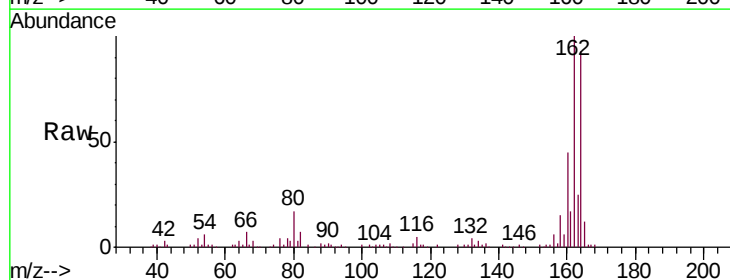
Tgt Ion:164 Resp: 120351

Ion Ratio Lower Upper

164 100

162 108.1 86.1 129.1

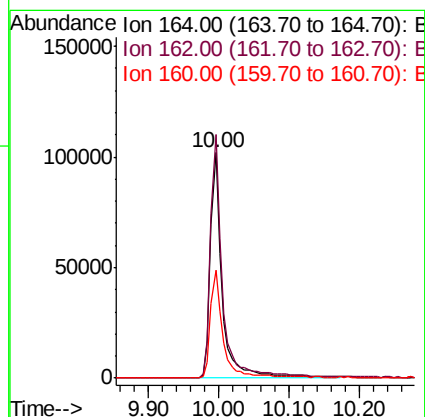
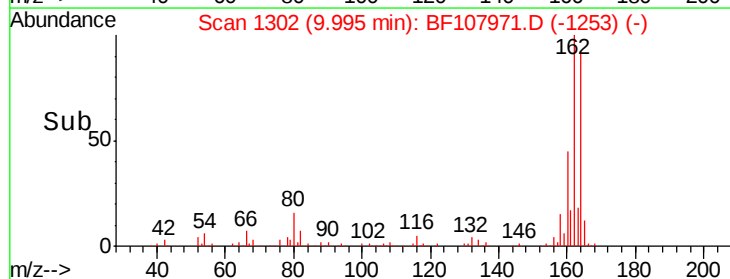
160 48.1 38.3 57.5

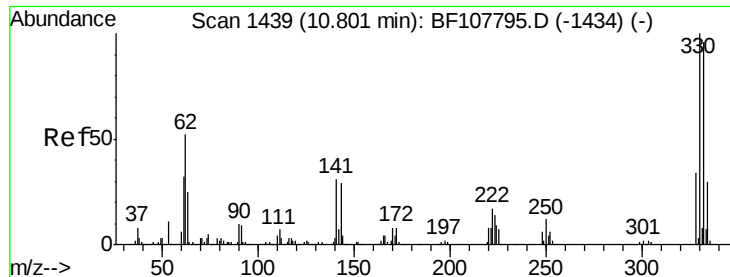


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 55.026 ng

RT: 10.79 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

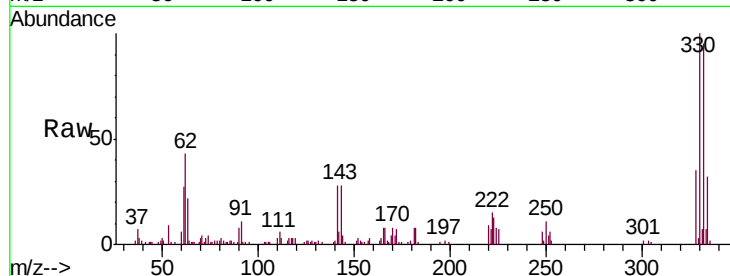
Tgt Ion:330 Resp: 89985

Ion Ratio Lower Upper

330 100

332 93.1 77.0 115.6

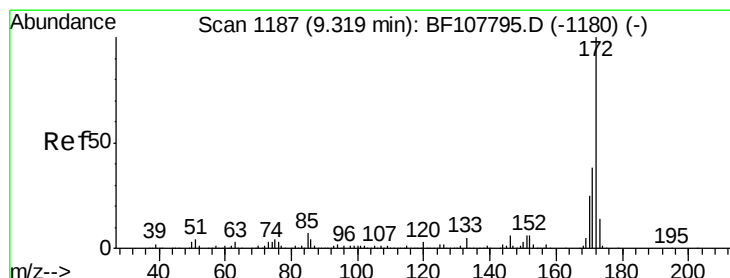
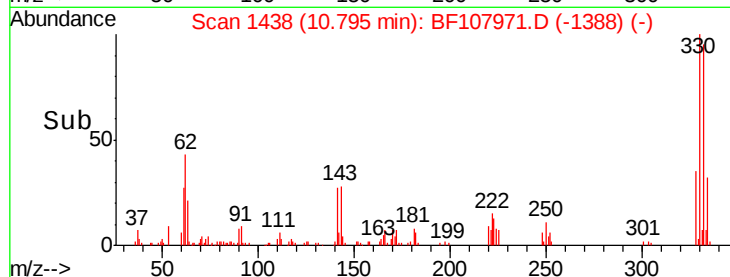
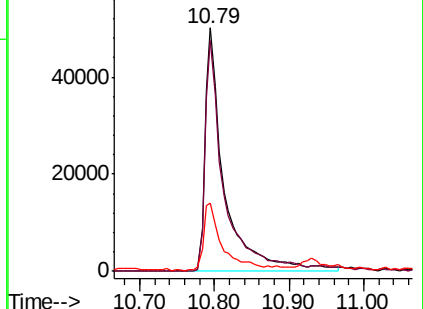
141 28.2 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 48.868 ng

RT: 9.31 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

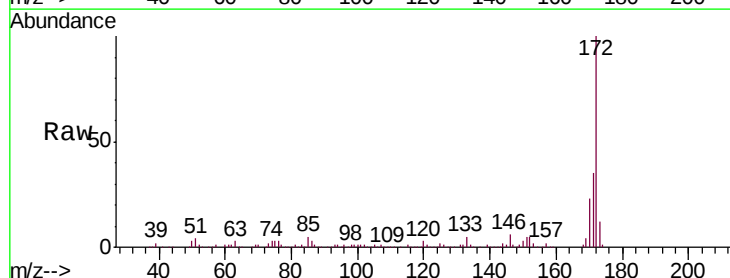
Tgt Ion:172 Resp: 422056

Ion Ratio Lower Upper

172 100

171 34.9 29.7 44.5

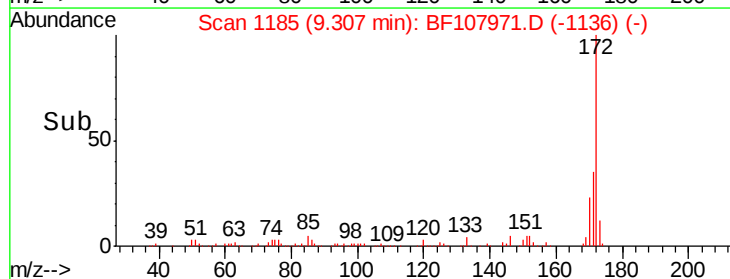
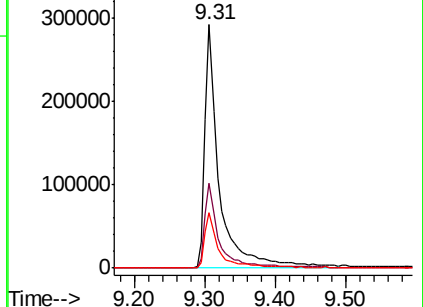
170 22.8 19.6 29.4

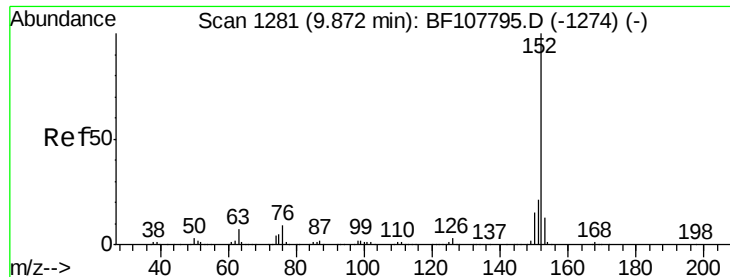


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

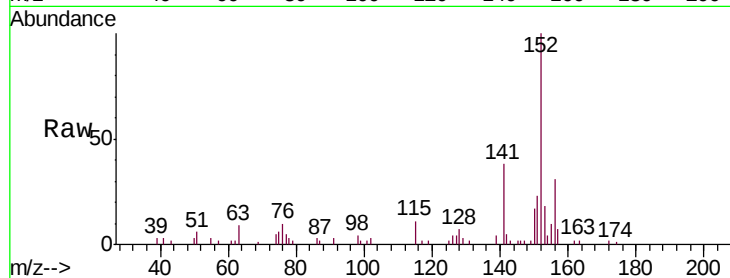




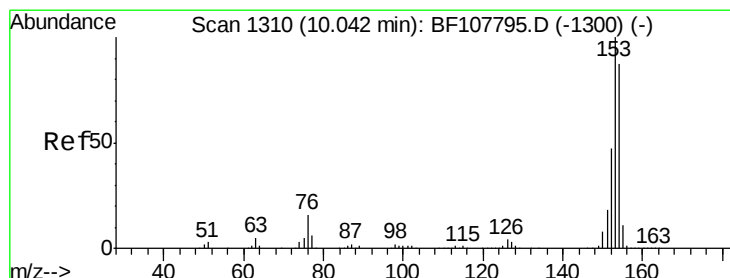
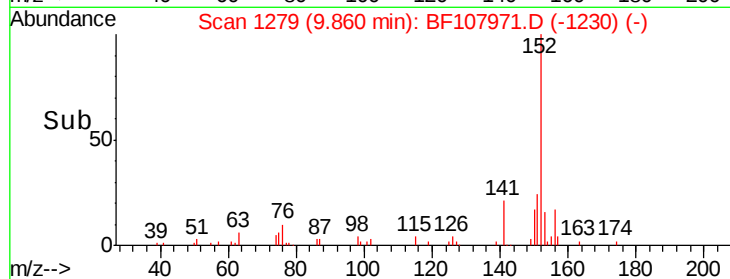
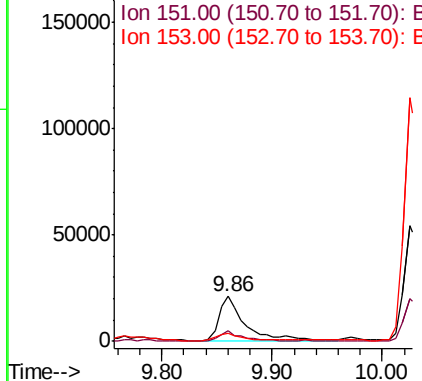
#48
 Acenaphthylene
 Concen: 2.663 ng
 RT: 9.86 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.3	24.5
153	18.2	10.7	16.1#

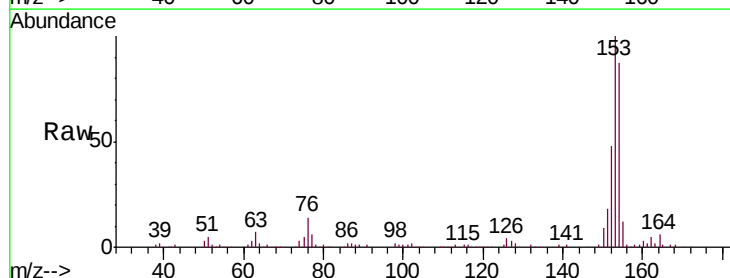


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

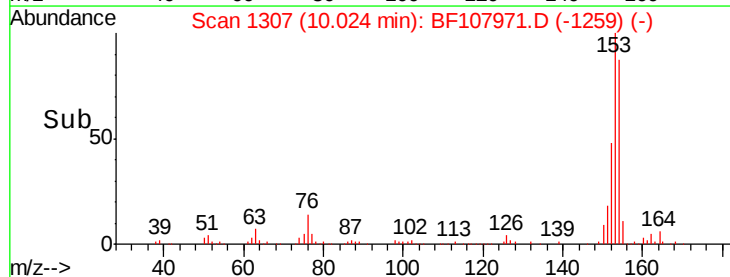
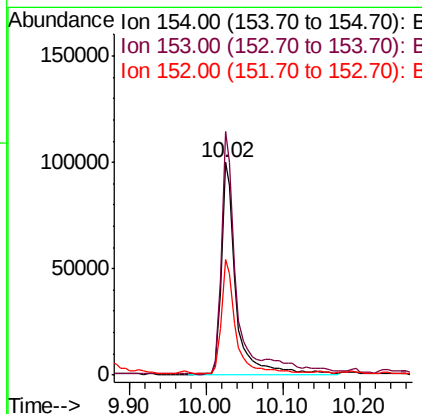


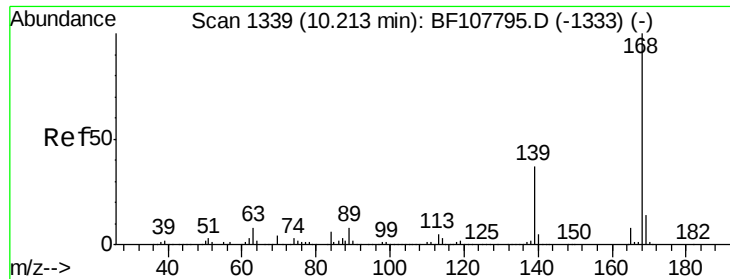
#51
 Acenaphthene
 Concen: 17.421 ng
 RT: 10.02 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.2	136.8
152	54.7	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 6.925 ng

RT: 10.21 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

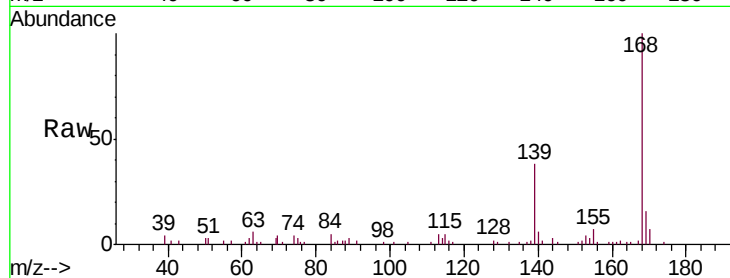
Tgt Ion:168 Resp: 79618

Ion Ratio Lower Upper

168 100

139 38.0 30.1 45.1

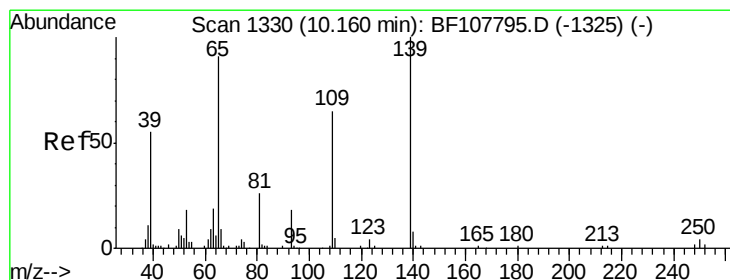
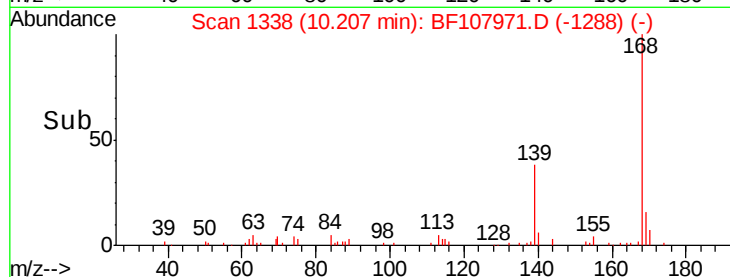
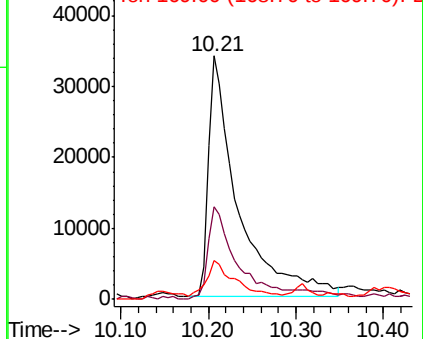
169 15.8 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 32.024 ng

RT: 10.21 min Scan# 1338

Delta R.T. 0.05 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

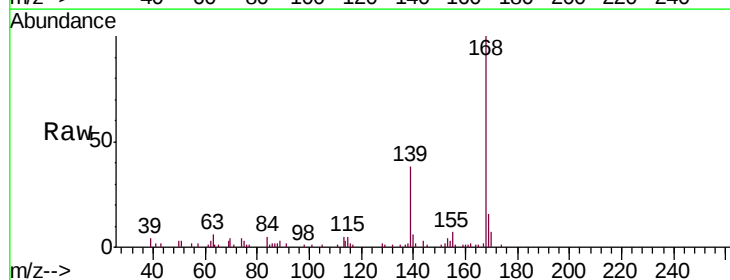
Tgt Ion:139 Resp: 29942

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

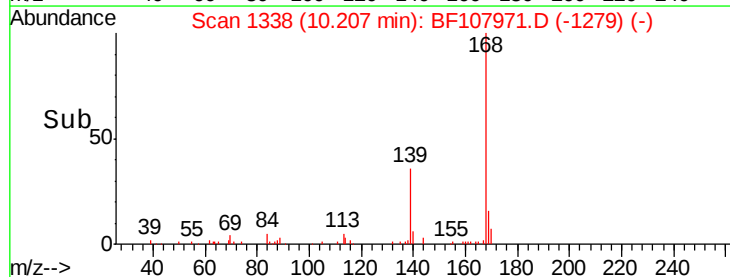
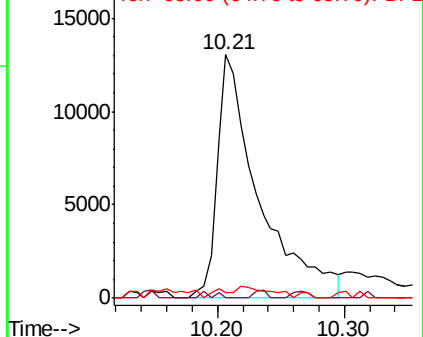
65 2.5 72.6 112.6#

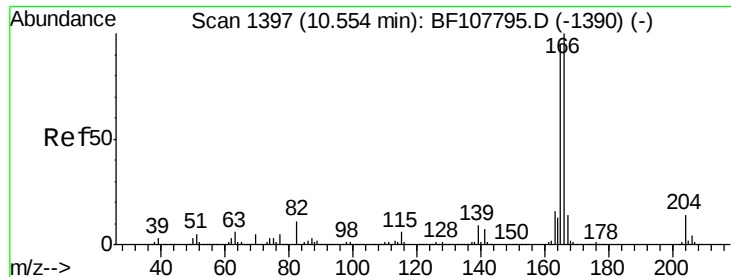


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

Fluorene

Concen: 11.600 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

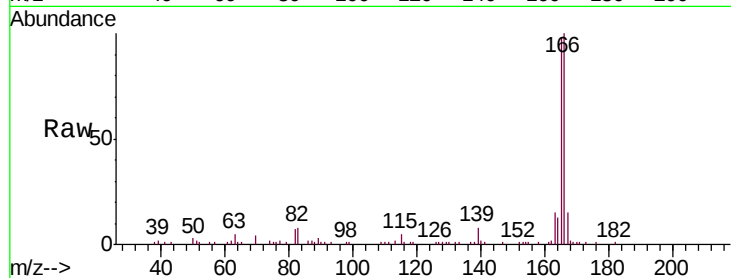
Tgt Ion:166 Resp: 103646

Ion Ratio Lower Upper

166 100

165 98.4 79.8 119.8

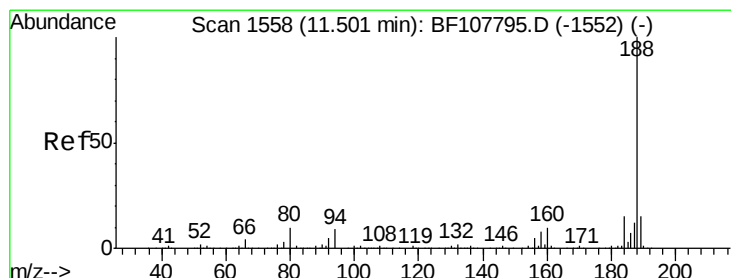
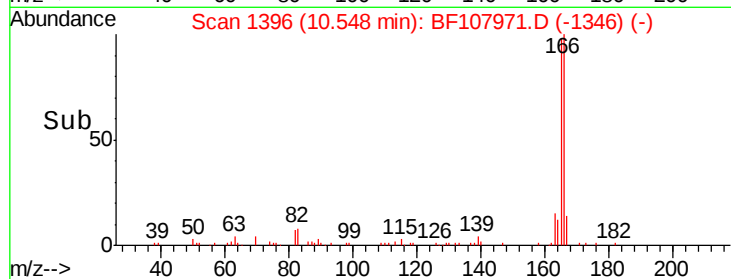
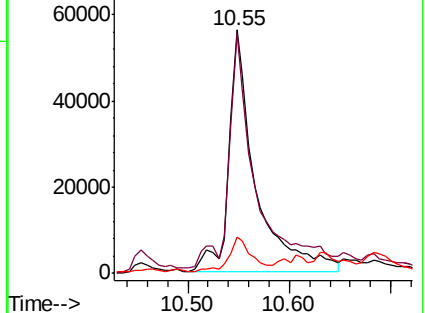
167 15.0 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107971.D

Acq: 4 Aug 2018 6:48

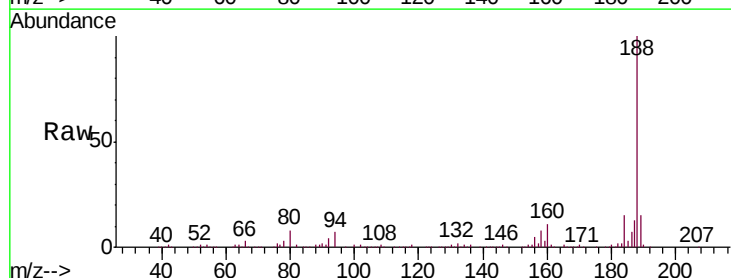
Tgt Ion:188 Resp: 246001

Ion Ratio Lower Upper

188 100

94 7.4 8.5 12.7#

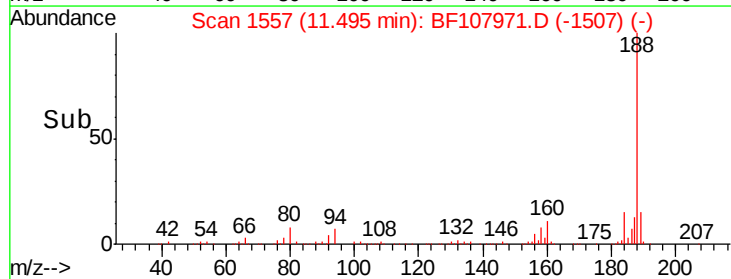
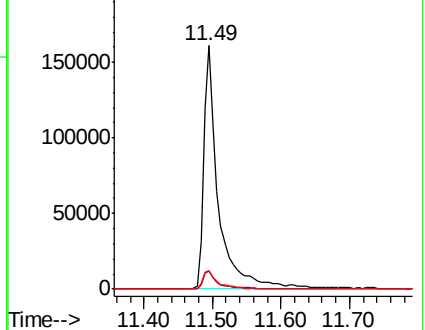
80 7.6 9.2 13.8#

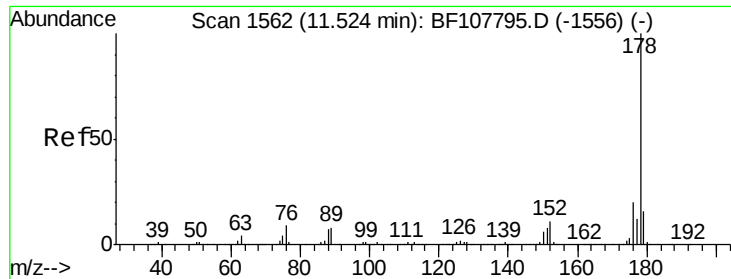


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

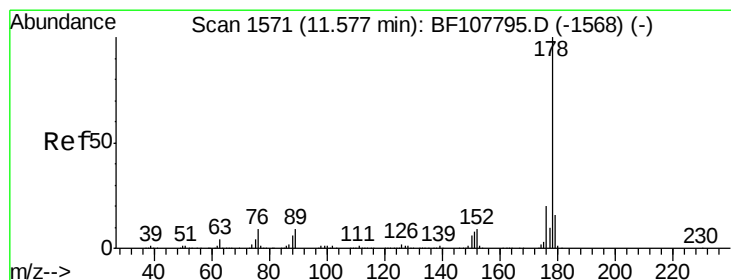
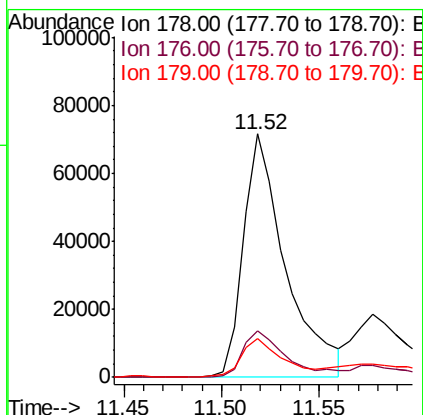
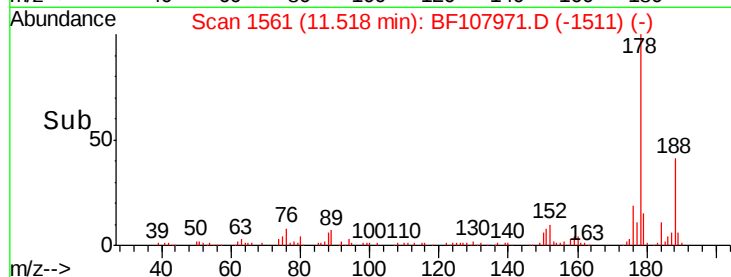
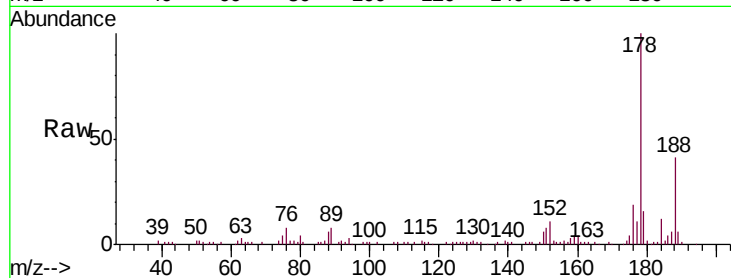




#70
Phenanthrene
Concen: 9.207 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

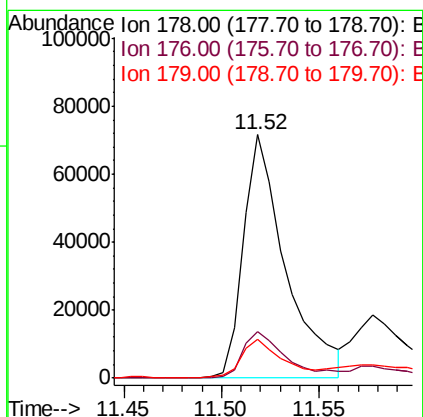
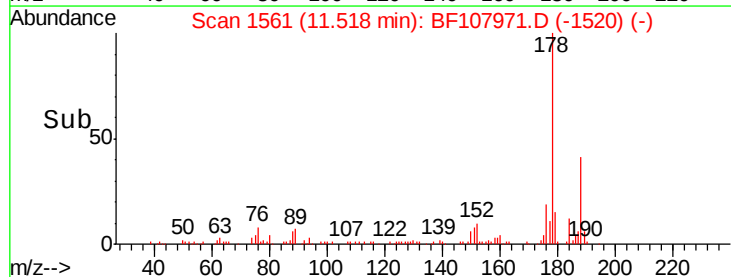
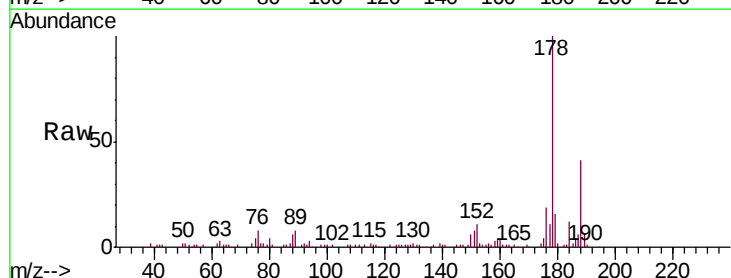
Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

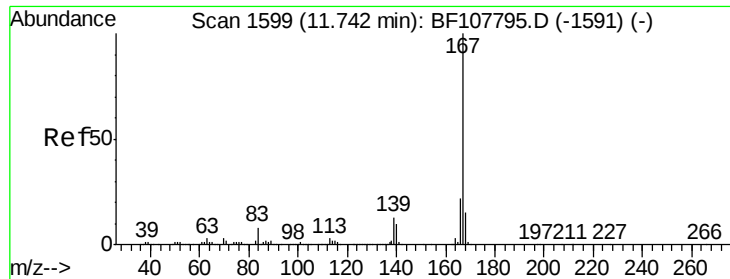
Tgt Ion:178 Resp: 107546
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.8 13.0 19.6



#71
Anthracene
Concen: 7.982 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.06 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion:178 Resp: 107546
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.8 12.6 19.0

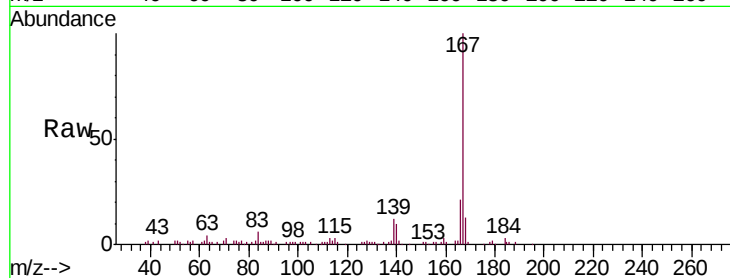




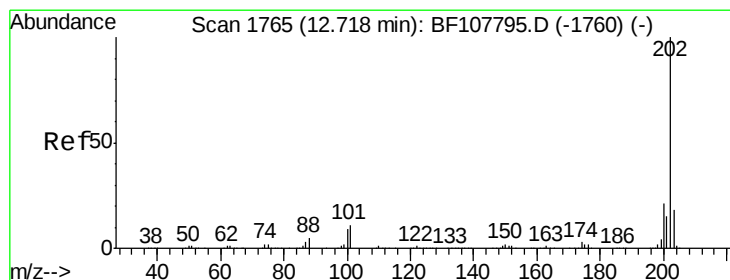
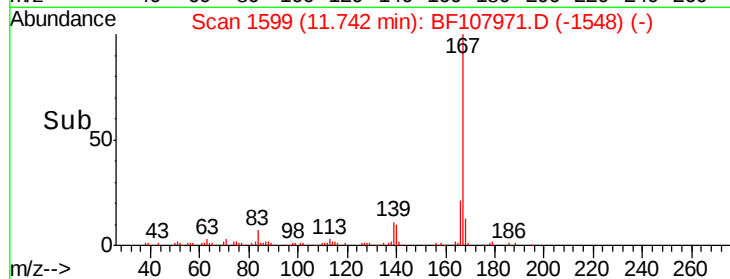
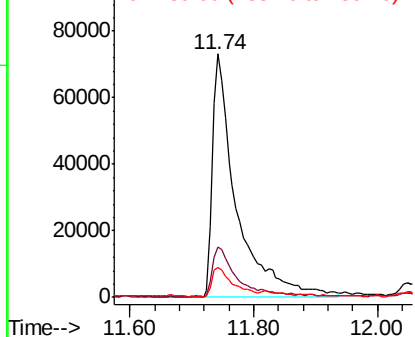
#72
 Carbazole
 Concen: 14.704 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	12.2	10.9	16.3

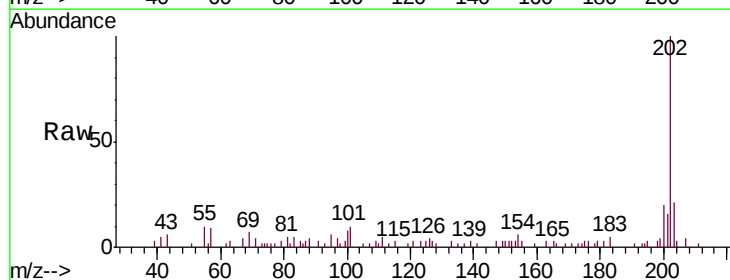


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

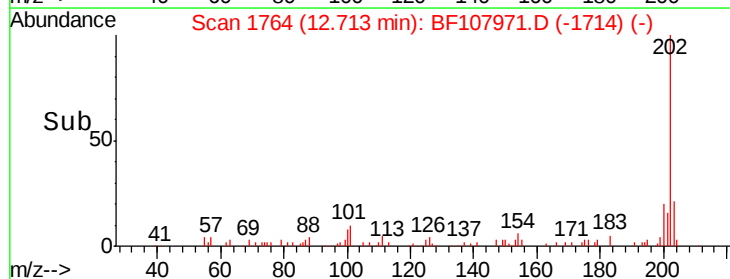
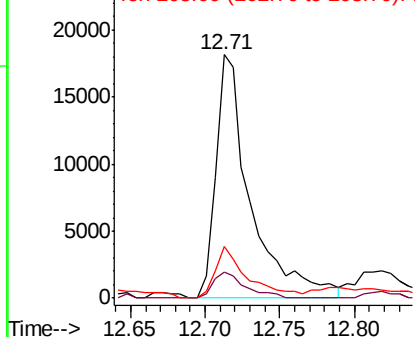


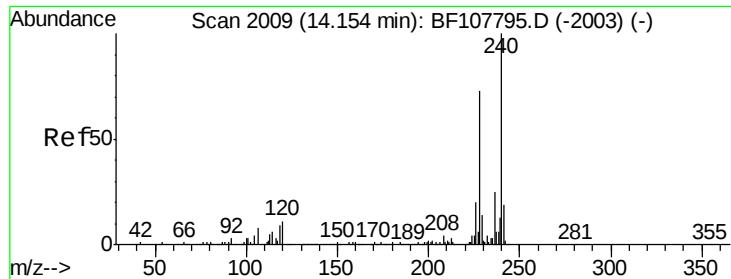
#74
 Fluoranthene
 Concen: 2.138 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107971.D
 Acq: 4 Aug 2018 6:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	21.3	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

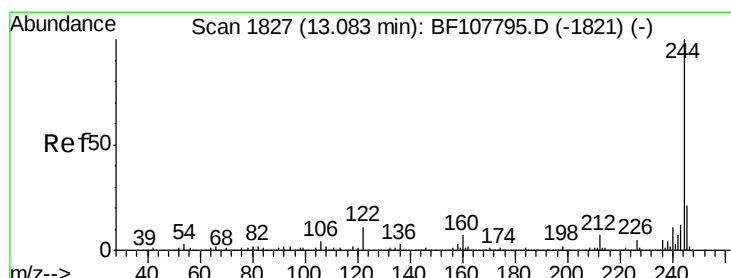
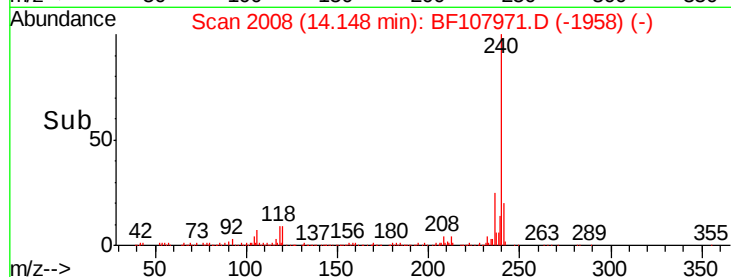
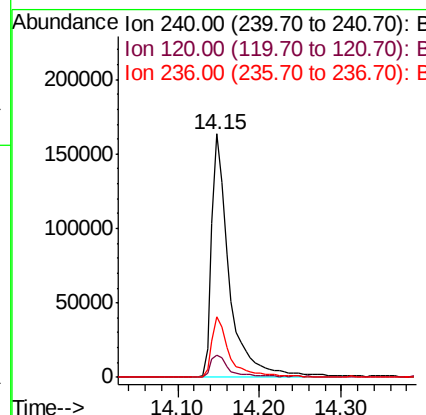
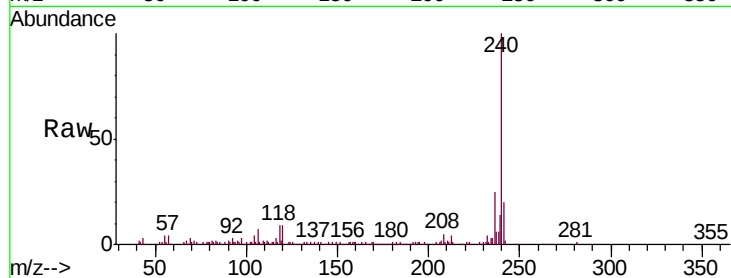




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

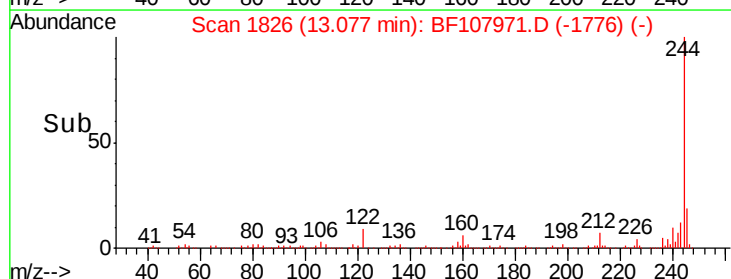
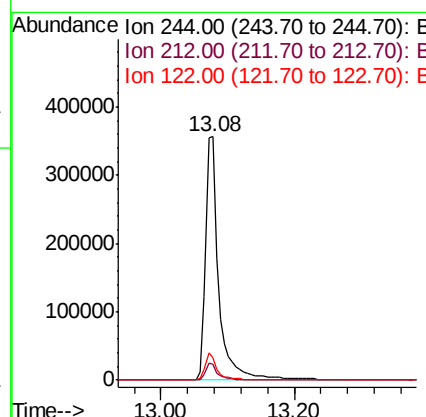
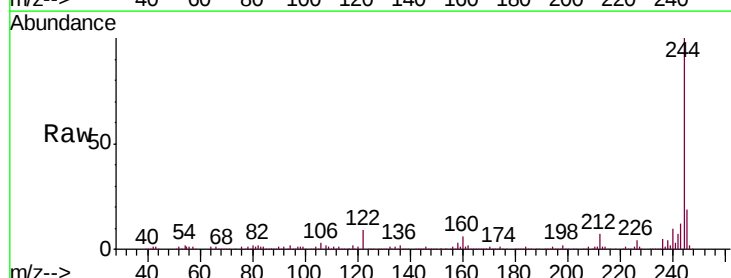
Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

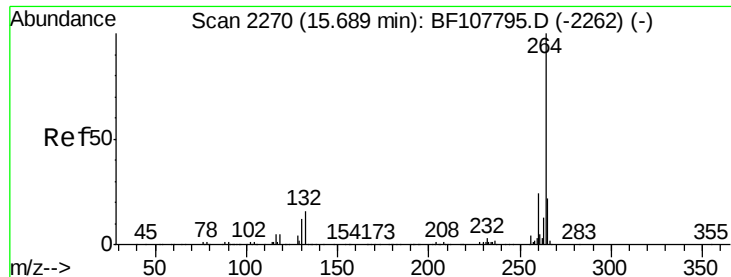
Tgt Ion:240 Resp: 247985
Ion Ratio Lower Upper
240 100
120 8.9 9.5 14.3#
236 25.1 20.7 31.1



#78
Terphenyl-d14
Concen: 42.041 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Tgt Ion:244 Resp: 480786
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.0 11.0 16.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107971.D
Acq: 4 Aug 2018 6:48

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tgt Ion: 264 Resp: 179427
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.5 17.5 26.3

